

REMARKS

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 1 and 3-33 are pending in the present application. Claim 2 has been cancelled and claims 1 and 3-20 have been amended, and claims 21-33 have been added by the present amendment.

In the outstanding Office Action, the Abstract was objected to; claims 1, 2, 4, 8, 10, 11, 18 and 19 were rejected under 35 U.S.C. § 102 as anticipated by Sezan et al.; claims 14-17 were allowed; and claims 3, 5-7, 9, 12, 13 and 20 were indicated as allowable if rewritten in independent form.

Applicant thanks the Examiner for the indication of allowable subject matter. In light of this indication, new claims 21-33 have been added. However, please note that new independent claims 21, 25, 26 and 29 do not directly correspond to the indicated allowable subject matter rewritten in independent form, but include only some of the features recited in the indicated allowable dependent claims. (New independent claim 24, however, does correspond to dependent claim 5 rewritten in independent form).

In more detail, new independent claim 21 includes only the XML unit and the generation unit of the contents production and synchronization unit recited in dependent claim 3. Dependent claim 22, which depends on claim 21, includes the stream unit and shot/scene unit also recited in dependent claim 3. Dependent claim 23, which also depends on claim 22, corresponds to original dependent claim 2. Further, new independent claim 25 includes a combination of some of the features recited in dependent claims 3 and 5. For example, new

independent claim 25 recites that the broadcast data synchronization and transmission system includes the stream unit and shot/scene unit included in dependent claim 3, and the receiving system includes the XML parser unit, the media control unit, the synchronization decompensation unit, and the metadata index unit included in dependent claim 5.

In addition, new independent claim 26 includes the stream unit and the shot/scene unit included in dependent claim 3, and dependent claims 27 and 28 include further features directed to the broadcast data synchronization and transmission system. New independent claim 29 includes the XML parser unit, the media control unit, the synchronization decompensation unit and the meta index unit included in dependent claim 5. Also, new dependent claim 30, which depends on claim 29, includes the simultaneous record/playback unit and the storage unit included in dependent claim 5. New dependent claim 31, which also depends on claim 29, clarifies the features of the receiving system as included in original claim 1. Further, new dependent claims 32 and 33 depend on claim 18, and recite varying features of the invention.

Further, independent claims 1, 8 and 18 have also been amended to include only some of the features recited in dependent claim 3 (i.e., the stream unit and the shot/scene unit). It is respectfully submitted the amended independent claims are still allowable over Sezan et al., because Sezan et al. does not teach or suggest the claimed features. In more detail, Sezan et al. discloses an audiovisual information management system including a program description scheme, a system scheme, and a user description scheme. More specifically, the program description scheme defines logical structures of the frames of a video that define how the video frames are potentially to be viewed suitable for efficient browsing. The system description scheme manages the individual programs and other data. The overlapping fields of these two

schemes allow the system description scheme to store the information contained within the program description scheme so that the information is properly indexed.

In Sezan et al., a frame is specified by a descriptor <Still> with an id attribute corresponding to the frame-id (see Col. 18, lines 47-50). Moreover, Sezan et al. discloses a segment description scheme used to define relationships between different portions of the video including multiple frames of the video (see Col. 27, lines 19-23). Further, Sezan et al. discloses a still image description scheme containing color and texture descriptors (see Col. 27, lines 35-37). However, Sezan et al. does not teach or suggest detecting group of pictures positions of an MPEG stream nor setting and marking the XML TAG in the corresponding GOP positions detected by the stream.

Accordingly, it is respectfully submitted independent claims 1, 8, 18, 21, 24-26 and 29 and each of the claims depending therefrom are allowable, and that the rejection of the claims under 35 U.S.C. § 102 has been overcome.

Further, allowed independent claim 14 has been amended to correct minor cosmetic informalities, and has not been amended to overcome any cited art.

In addition, the Abstract has been amended in light of the comments noted in the Office Action. Accordingly, it is respectfully requested the objection to the Abstract be withdrawn. The specification has also been amended to correct minor informalities. No new matter has been added.

CONCLUSION

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance.

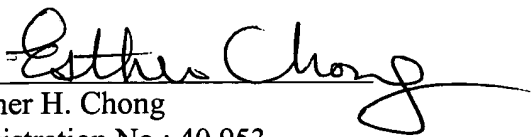
If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone David A. Bilodeau, Registration No. 42,325, at (703) 205-8072, in the Washington, D.C. area.

Prompt and favorable consideration of this Amendment is respectfully requested.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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